From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "David Kreinberg" <kreinbd@ccgate.dl.nec.com>
Subject: [1592] 1/2 G5RV
Message-ID: <9606258383.AA838321452@smtpgw.ccgate.dl.nec.com>

Gang:

Please excuse my ignorance, but I missed the details
on the half sized G5RV postings.

What are the dimensions of the flat top and feeder ??

Is this just half of the dimensions of the standard G5RV?

Sounds like this might work in my small lot.

LB - How does this shape up on your antenna modeling??

Thanks.

73 de Dave AC5GY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: kd7s@psnw.com (Bill Jones)
Subject: [1570] 20 Meters is alive and well
Message-ID: <199607250341.UAA06356@psnw.com>

As chuck mentioned recently, 40 and 30 Meters have been doing pretty well
the past few days. However, 20 meters is alive and well too. I just had a
nice gray-line QSO with ZL2JK on 14.015 kHz at 0330 utc with my trusty HW-8
and roof-mounted Butternut HF6V-X vertical. Maybe I'll get up early and see
if I can snag a JA with my 40-9er on 40 meters in the morning. Would that
be a "first"? Has anyone worked Japan with a 40-9er?
==============================
Bill Jones - KD7S <><
Sanger, California
Reply to kd7s@psnw.com
==============================

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Peter C. Wotherspoon" <Peter.C.Wotherspoon@hydro.on.ca>

Subject: [1598] 40-9er
Message-ID: <Pine.SUN.3.91.960725133420.23028E-100000@strong.Hydro.ON.CA>

I was thinking about a mod to the 40 9er, that was simply an audio amp
that meant the front-end cud be more loosely coupled to bring the added
benefit of reduced SW BCinterference.
Why not add another passive tuned circuit?
 That would help selectivity and
reduce the gain from SW BCI.
??????
Peter

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: jim hale <kj5tf@cei.net>
Subject: [1604] Bobtail Curtain
Message-ID: <31F7E9FE.3F06@cei.net>

I've been useing the HALF SQUARE antenna for over a year, and its really
a great wire antenna. Mine is hung between oak trees broadside to the
east & west. Not very high, but works fine. Improvement in DX, some
reduction for stateside reception maybe. But I'm working on my QRP DXCC
with 84 QSL cards so far.

Now I want to try the full sized BOBTAIL CURTAIN.

Can someone send me the facts and formulas for this? And tell me if its
50 Ohm direct feed like my half squares too?

I dont use a tuner, so I only use antennas close to 100% resonant for the
band.

Thanks for reading this. 72/3'z de Jim   kj5tf@mctc.com
ps I found the address for GU/DL5LYM !! DK0TUI www site is FB!

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Mel Evans <101366.3072@CompuServe.COM>
Subject: [1602] Computer Gurus!
Message-ID: <960725193252_101366.3072_JHP129-1@CompuServe.COM>

Hi there all,

Anybody out there know how I can contact a Computer Guru to help me cure a
sickish 386?

The battery died and on replacement, the 386 thinks it ain't got a hard drive. I need to find out how to enter the info for the HDD again, and also where to get it even.

Sorry, I know this is the wrong list for this, but it is the most helpful!

Flattery, eh! gets results though!

72 and 73 de Mel

GM6JAG
Edinburgh Scotland UK
Home of the last HW9

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: harry.bump@hamdata.leba.net (Harry Bump)
Subject: [1623] Doug, Ron, Larry(s), Chuc
Message-ID: <838345534@hamdata.leba.net>

 * Carbons sent to: Rboggs@pcc-uky.campus.mci

Hey Roy...

You're 'not alone' in your thoughts - AMEN.

73,
Harry, KM3D
in the Pennsylvania Dutch country.

___ Blue Wave/QWK v2.20 [NR]

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [1609] Finding other ham lists or info
Message-ID: <n1373811318.98803@msmailgw1.arlut.utexas.edu>

Eric,
and others of the lists,

Often I see requests on here from newbies or regulars for info on a particular topic. We all do what we can to help on queries, but---

The Mother of ALL information can now be found at "info@arrl.org" :-)
that is the adr. of the information server of American Radio Relay League.
You do not have to be a member to use it, you do not have to be a ham. But if you want information from CB to ham prospects, to license exam questions, to antennas, to even other ham lists, send email to that adr. I gave and in the body of message give the command:
INDEX
QUIT
You will get back 9 pages of good titles to file for when you need that new antenna for 160M, or whatever you could ever ask in QRP, and even some I have not seen on the QRP list, and many, many other good things on radio, short wave listening, grounding, lightning, operations, emergency communications, the relationship between hams and Red Cross, and on and on. The technical content extends to summaries of "QST"'s going back several years (and "QEX"), as well as specific packet info, and Amateur TV or microwave stuff. Batteries and recharging are there.
QRP club lists and parts sources are there, including contributions from our own list members!

I knew of text info service, but had not looked at their INDEX recently and I am amazed. It looks like a goldmine of the information, I have tried to find for people for the past two years I have been on these lists. There are FAQ's for a number of aspects. If you have not been aware of this go there NOW, get the INDEX and file it where you will not lose it, for I know you will find a time to use it!

73, Stuart K5KVH

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: ukii@megsinet.net (ukii)
Subject: [1585] First kit ...?
Message-ID: <01BB7A16.E6F67000@ukii>

Hello All:
     I need some guidance in getting started on my first kit.
What kit to get! I have too much noise here in Chicago for 80 or
40 mtrs,and see that most kits are for those bands. Is there
a COMPLETE KIT (crystals etc..) for 20 or 15 meters on the market?
I looked at KANGA web site and seems you need extra parts from what I =
read.
Mel,in Scotland replied to an earlier message about getting the =
ONER,which is what I would like to get,but again,seems I will have to =
"redesign" the thing and use my own parts??? Any help would be GREATLY =
appreciated!
          Tnx to ALL for your help...
          Best 73 de john   N9UKX

ukii@megsinet.net
Chgo,IL.USA

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: ke1ex@ids.net (Laurent C. Lafond)
Subject: [1586] Half G5RV Dipole
Message-ID: <199607251624.MAA35464@nss2.CC.Lehigh.EDU>

Thanks to all who contributed. I have ordered one.

Will let you know how I make out with it in Tahita and Fiji, next spring..

tks es

That is the message I sent out a few days ago. Since then I have been
overwhelmed by extensive QSO listings that were made on the 1/2 G5RV.
So much so that I am going to hook it up when it gets here and try it out.
Thanks to all,
 73,
Laurent   KE1EX

ARRL, Fidelity ARC, NRIRC, OSARG.
QRP-L#591
WAS cfn IL PA VA WV
e-mail - ke1ex@ids.net

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1582] Hardware Topics
Message-ID: <199607251400.OAA04441@chuck.dallas.sgi.com>

Gang,

I'm telling you it's deja vu, but then again with 1,000+ QRPers
in one place we are all bound to be doing similar stuff.

I'm in co-partnership on a new book and been working on some
hardware stuff. Yesterday I stopped off at the Home Depot and
picked up two items that you might think about. I'll wait until
my partner in crime announces it to the world before I say
anything more about the book. :-) Teaser if I ever saw one.

1. They have 0.050 Aluminum stock in 10' lengths and the piece that I got was the 1/2 x 1/2 x 0.050(thicness) L shaped 10' length soft Alum. that cost under $4 (USofA). It has a bunch of uses. They have wider sections but hey, this is QRP stuff.

2. Some 1/8"(D) x 1/8" grip aluminum Rivets that make handy dandy fasteners for all kinds of things like PC boards to frames, homemade cases, etc. The box says that 1/8" hole will work, but that is not the case as it took me drilling a 5/16" hole to get them to work. Not a biggie but heads up. And I already had the Swingline tool for using these puppies so I don't have the current pricing on the tool, but I'd guess $10-15. I'll look next time.

3. The one Home Depot that I frequent has a relatively new section of miscellaneous fasteners and screws and all kinds of neat stuff that you go down the isle trying to remember each and every one JIC (Just In Case) that someday you just might need that one special brass/steel/aluminum/or whatever widget to put the final touches to the final ultimate project that each of us creates. :-)

4. I also stopped at the hobby shop. Now for the real tiny tiny fasteners look in the model train section. Also the R/C car section too has gears that might make a drive reduction system feasible and realtively cheap. Train section for the smaller brass fittings and screws and bushings. Real fine machining and craftmanship. Things are usually metric (good) and values in the neighborhood of 1mm which is very very tiny.

One of the things that I don't want this group to do is forget the basics. We have newbies come into the fold everyday and we welcome each and everyone of them. They are free to ask ANY question no matter how simple or how trivial. Anyone who pounces on them will fall under the zero-tolerance policy. This is an open group. Help them. We now live in the age where a lot of people didn't have access to someone to help them in electronics, science, ham radio, etc. You gotta remember that although the number of people in ham radio has increased we are dwindling percentage-wise against the number of people on this third rock from the sun.

The purpose of this note is to pass on little things that we each do and find and in hopes that someone will remember it and maybe use it. If only one person finds information that helps them, then the job was worth the effort.

"Be not too hard for life is short and nothing is given to man." - Joan Baez

dit dit
Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO TMPS 1996 Qs=073 States=31 Confirmed=23 DX=04 (0.95W)
AL AR AZ CA CO DC DE FL GA IA IL IN LA MD MI MO MS NE NM NC OH OK

OR SD TN TX UT WA WI WV WY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: wb2vuo@juno.com (William K Hibbert)
Subject: [1566] Lightning Detection W/ DC RX ???
Message-ID: <19960724.211014.11135.1.wb2vuo@juno.com>

Greetings from the Depths of the Great Bergen Swamp...FN13ac

Having not run a DC receiver since I had my Century 21 aeons ago, I don't remember how well they heard lightning, I.E. Static crashes...

I am thinking of resurrecting a lightning detector/DF receiver that I saw in "Electronics Illustrated" many aeons ago. It used two receivers (TRF's in that set-up), fed with loops at right-angles to each other. The detected output was fed to the X-Y plates on an O-scope, and depending on the phase/amplitude relationship, you got a "bearing" to the lightning.

What I am thinking of is a couple of Neophytes, or the TenTec DC RX's, with a common L.O. (separately fed through a splitter)...

Before I attempt re-inventing the wheel, has anyone done, or seen this done?

Could be an interesting project, especially for those in the T'Storm belts...

72/73, Keith, WB2VUO, QRP-L # 582
Tech-Specialist, WNY section, ARRL

wb2vuo@juno.com

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Phil Sikes" <psikes@whidbey.net>
Subject: [1572] Logging Program
Message-ID: <199607250517.WAA23937@islander.whidbey.net>

Hi to the group. Regarding the question about logging programs, I have been using LOGic4 for several months now and am very happy with it. You can add fields (like QRP, power level, QRP-L #, or whatever), design your own reports in addition to the ones included, and it has great awards tracking. If the award you want to track is not in there already, you can add it in. They offer both DOS and Windoze versions,

I am using the windoze version under W95 and it runs great. It will
also handle most contests, but again, if the one you need isn't
there, you can add it in. I went through about 10 other shareware,
demo, and freeware versions of logging programs before settling on
this one. I have no financial interest in Persoanl Database
Applications other than the check I sent them to buy the program!
Sorry for being so long winded, I tried to keep it short!

72 - Phil
Amateur Radio Station
KJ7NS
ARCI 9196:NWQRP 412:QRP-L 528
email: psikes@whidbey.net

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Tim Pettibone <tpettibo@nmsu.edu>
Subject: [1596] Logging Program
Message-ID: <199607251717.LAA10880@NMSU.Edu>

I second Phil's (KJ7NS) endorsement of LOGic 4. I've been using LOGic
logging programs for the past 5 years and really like them. I'll not take
up bandwidth but just point you to:

       http://www.mindspring.com/~pda/

or suggest you contact LOGic folks at pda@hosenose.com for more info.

The web site has demo's etc. The only problem I've had is in defining
specific contests with complicated rules. Dennis, WN4AZY, their chief cook
and bottle washer offers to help with such things when needed. If you wish
to customize a lot, knowledge of databases will come in handy. The regular
version sells for $99. They used to have a LOGic Jr. but I don't know if
that's still available.

Tim AB5OU

p.s. I'm just a happy user, no financial interest is held.

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Ronald Hands <Ronald.Hands@freenet.hamilton.on.ca>
Subject: [1595] Logging software summary
Message-ID: <Pine.SOL.3.91.960725131531.1265A-100000@james.freenet.hamilton.on.ca>

Many thanks to all who responded to my query about logging software.
The typical response went something like this: "I tried about 10 different pieces of logging software before I settled on xxxxxxx. It's the greatest."
Trouble is, there wasn't much consensus on xxxxxxxx.
Here's the summary:
Four recommendations for Log-EQF.
Three for Hyperlog.
Two for DXBase.
Two for Logic-4.
One each for WB2QAP's freeware package, AEA's Log Windows, QRP Pal freeware, WJ2O's software package and for the software that's on a CD from QRZ, the callbook people.
Apparently the bottom line is that there's a *lot* of good logging software out there, and some of the packages have an amazing assortment of bells and whistles.
Looks as if I'm just going to have to wade in and try some of them.
But again, thanks to all who gave me their thoughts on the subject. I've saved all the responses for further perusal.

-- Ron VE3SP
ronald.hands@freenet.hamilton.on.ca

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "UNITOG" <unitogh@hondutel.hn>
Subject: [1597] Needed: The "best" 30M Antenna .
Message-ID: <199607251141.LAA11869@miraf-server2.hondutel.hn>

I would like to receive suggestions and comments from the group on what might be the most efficient 30M wire radiator I could construct and field at my QTH. We have one 45ft. support (a mahogony tree) and the antenna can be coaxe or ladder line fed. What would you put up?! All suggestions will be greatly appreciated.

Thank you very much:-)

Todd DeWire
HR3TFD
unitogh@hondutel.hn
LaCeiba, Honduras

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [1613] OHR-100 Debuts Soon
Message-ID: <2.2.32.19960725220727.00ad52d0@public.compusult.nf.ca>

QRP-L Gang,

Was chatting with Dick Witzke KE8KL over at Oak Hills Research and he mentioned that the new OHR-100 will be shipping next week if all goes well (also his new mini digital display to follow). I am waiting for this new OHR-100. This is not just another of your Grandad's Oldsmobiles - this is an "evolutionary chariot". Based on the NE-602 design like the Explorer II but with fairly wide coverage varicap tuning (using a heterodyne local oscillator ala the Small Wonder Labs Green Mountain series of rigs), variable bandwidth control (like EX II), nice QSK and a BIG 5 WATTS. Yes finally a relatively small (in OHR terms) rig with 5 watts output. I feel this kit will be a winner.

So what's the big deal with 5 watts. Well I have to admit I like to turn on the QRP after-burners at times and the typical 2 watts just doesn't cut it for me when the going gets rough (yea I know I'm soft). But I like how 5 watts really cuts through when you're in a contest. And since the contests are geared to 1 watt or less or 1 to 5 watts for scoring purposes if you're not running 1 watt then you may as well go for the gusto.

Sure many out there say there is only an S unit or so between 2 and 5 watts but let me tell you the 5 watt sure does help my "psyche" during those QRP ARCI contests.

Anyway this is will be my second NE-602 front end 5 watt QRP kit. I have presently in the works one of Roy Gregson W6EMT EMTECH NW8020 kits which if the best 5 watt rig for the price. So it looks like the "QRO Class" of QRP rigs has been raised a notch.

73/72 Bob VO1DRB/WA6ERB

PS: OK, OK I hear that the rig is adjustable from 0-5 watts for the QRPp types (sure seems like a waste of watts to me though to operate less than 5 watts - hi)

 ____
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@nfld.com |
| Compuserve: 70466.1405@compuserve.com |
|____|

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
Subject: [1582] Paddle / Rf problem
Message-ID: <9607251400.AA16651@wizard.ucs.sfu.ca>

Hi Everyone,

I just put the new EPROM in my non-updated QRP + and thought I'd try
the internal keyer again. While the keying is much better (no forced
character spacing) I find that the paddle input seems to be rf
sensitive. No problems if I plug in my WBL paddles, but if I plug in
the Kent's the rig takes off sending random dot/dashes. I suspect the
cable of the kent is not shielded enough, but rather than changing cables
I would like to choke the problem off at source. My guess that ferrite
beads on the paddle input's is the place to start. Anyone else encounter
this problem and have any suggestions?

Also, now with the new EPROM the clicking in the headphones has become
objectionable. Has someone posted a fix for the problem that I missed?

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

VE7CQK TMPS 1996 Qs=040 States=09 Confirmed=00 DX= 17
AL ARK CA CO ID SC SD WA WI (A35 FK8 KH6 KL7 ZK1 ZL3 ZL8 5W0)

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: dolsonj@ix.netcom.com (James Dolson)
Subject: [1575] QRP Stuff For Sale - ALL SOLD
Message-ID: <199607251216.FAA29336@dfw-ix6.ix.netcom.com>

The 40-9er, Norcal 40A and WM-1 are all sold. I've got a list of names
for each item in case the first buyer for each item falls through.

Thanks for all the replys!

Jim
WB8ZBD
dolsonj@ix.netcom.com

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Jim Apple" <jma@ebt.com>
Subject: [1580] QST index's available on the net
Message-ID: <199607251304.JAA24049@ebt-inc.ebt.com>

Thanks to Randy Pelt W4WYT, the QST indexes from 1972 to July 1996 are available at http://www.tp.net/tp/users/japple/qst.htm. The data is available in HTML
(year by year) and as a Excel spread sheet. I've also added a link to the free Excel viewer.

The site is new and needs lots of work, please let me know if you have any trouble
getting to the data. The site is designed to work best with Internet Explorer 3.0,
but I am trying to provide basic support for all browsers.

Again thanks to W4WYT for compiling the data, All I did was port it to HTML.

7'Trees

Jim Apple (WB1DOG) EBT
jim_apple@ebt.com One Richmond Square
DynaBase Product Lead Providence, RI 02906
http://www.ebt.com (401) 421-9550

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: AlexQRP@aol.com
Subject: [1593] Red-in-the-Face
Message-ID: <960725131132_245529767@emout08.mail.aol.com>

My previous statements to the group were meant on my part to be merely playing the "devils advocate" which I must admit failed . They were stated too strongly with no attachment indicating my true feelings. Therefore it is with "foot in mouth" that I most humbly apologize to the group and especially to the staff of QRP ARCI.

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: rob3ert@juno.com (Robert G. Parks)

Subject: [1606] RS DSP-40
Message-ID: <19960725.132908.3686.0.rob3ert@juno.com>

Hi, gang,

I just bought the last two DSP-40 units in Las Vegas. Obviously, I don't need two of them. If anyone's interested, I'll ship one out for $35.00 which represents my cost ($32.07) plus shipping. Send me an e-mail if you're interested.

72, 73 es gud dx

Bob Parks
K6AEC
DM26IF
rob3ert@vegas.infi.net

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
Subject: [1610] School of Hard Knocks: Lesson #37
Message-ID: <31F7E345.3049@uts.cc.utexas.edu>

Hi Gang,

One of the great things about the QRP-L is that people share their success and "screw-ups" and we all learn something from it. Here's one of my latest "dumb" kit building screw-ups that might save someone else some headaches down the road.

I've been working on a Green Mountain transceiver for 15 meters since last December and I had everything working, EXCEPT I couldn't get a signal from the antenna to the first mixer in the receiver. I bet I checked those solder connections dozens of times. I put it on the shelf for weeks at a time, would pull it off and re-check. Last night, while listening to the major thunderstorm activity on my MXM-40 here in Central Texas, I pulled it off the shelf one more time. I decided to compare my parts placement on the completed board with Dave's version in the manual. I just happened to notice that a little variable cap, called C5 (plastic variety) and part of the tuned input circuit, was mounted backward. They are round with one side slightly flattened and I had soldered mine in backwards. I didn't think that should make any difference, but I thought, "Oh *##*#, I've tried everything else I might as well change it." Took it out (not an easy task), turned it around and re-soldered it back in. Naturally, at midnight there weren't alot of 15 meter signals to listen to, so I took out my Autek antenna analyzer and set the frequency to 21.110 and

placed it across the desk from the GM-15. BINGO...there was a strong signal coming through the earphones. Incidentally, I had tried this before on numerous occasions and heard nothing. Oh, I forgot to mention that I also re-soldered all the other connections from the antenna up to the first mixer. So, was it the variable cap in backwards or did I just catch a bad solder joint. I'll never know! Maybe all I can receive is a signal generator on my desk. At the rate 15 meters is open these days, it may take to the year 2000 to answer my questions.

If anyone has a technical explanation as to why reversing the variable cap would block the signal, I would love to hear it. I'm betting the solder joints were the "real" problem. Whatcha think?

Moral to this story is check your parts placement carefully. Even with a beautifully silk screened board, I managed to screw it up...not to mention a few bad solder joints. But, after months of agony I can now hear my little signal generator all the way across the top of the desk. Doesn't take much to make a QRP kit builder happy, does it? Who knows, I may actually hear a 15 meter signal later this summer. Stay tuned. I'll let you know.

(If you're wondering why I ordered the GM-15 in the first place, let's just say I'm a real optimist or that I've hammed long enough to have lived through 'several' sunspot cycles.)

May the Solder Gods shine on all your work.

72,73, KJ5VW
Gary

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [1579] SMD "wireless mic"
Message-ID: <v01510100ae1bff5e9b2b@[132.235.72.11]>

Gang,
        Just finished an FM-6 Ramsey FM wireless mic for a friend, KA8ZYP. The FM-6 was designed with surfaced mount devices and came with a well done manual. It went together well in about an hour and worked the first try. It came with an excess of parts in case some get lost. (I only lost a capacitor AFTER I had finished the project!) He ordered a crystal that ended up on 146.58 mhz.

        Every building experience is an education and this was no exception. Solder with adequate flux is a must. I was using .031 dia.

rosin core solder and found that the internal flux was not sufficient to "clean" the joint. The connections looked very grainy. I then used a SMALL amount of flux on the solder pad before mounting the components and found that to be sufficient. A smaller dia solder would probably be better as the flux/solder ratio should be higher.

I then went to my junk box and scrapped out a circuit board of its surface mount components. I put together a small audio amp with about 20 db (voltage) of gain the size of a dime on a scrap of circuit board. I could have made it smaller if I had tried, but any smaller and I couldn't have hooked wires to it!

I guess that I'm writing this to encourage others to try the SMD's. I've worked with these components for a long time, but really never considered a project built around them. This has opened a whole new realm of posibilities.

Sources? How 'bout that fried harddrive? Check it for resistors, caps, diodes and check out the HEXFETS that are useds as drivers! Any of the newer TV circuit boards, etc. I hate to mention the "B" word (Buy) but parts can be bought too!

P.S. I have no connection with Ramsey, just built the kit.

72, de NS8O

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: okasb@rex.mtv.gtegsc.com (Bob Okas)
Subject: [1573] soldering aluminum
Message-ID: <9607250823.AA06967@rex.mtv.gtegsc.com>

Hi All,
I'm in the process of sealing up my homebrew vfo and a problem/question has arisen. The case is constructed of pc material and I'd like to use some sort of hex-sided standoff as the base for my threaded fasteners (screws to us regular folks). I want to solder the standoffs to the inside copper foil, and I tried to solder both stainless steel and aluminum standoffs with no success. I have a bunch of aluminum hex standoffs that I'd like to use, but the solder beads right off these fellas. Any suggestions to make this work a bit better? Any alternatives? I humbly submit to the wisdom of the group.

Bob - N3MBY/6

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Ng Heng Lee/Ghee <leeghee@singnet.com.sg>
Subject: [1584] ssb/cw kit
Message-ID: <Pine.3.89.9607252333.A7832-0100000@merlion.singnet.com.sg>

hi gang, a friend of mine would like to buy a ssb/cw kit. i only know a
few kit but there are cw only. can someone recommend me a few ? lastly,
can cw kit be modified to receive ssb as well ?? thanks.

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Charles Cashion <sun1055!ccashion@uunet.uu.net>
Subject: [1580] standoffs
Message-ID: <9607251307.AA02276@sun1055.spd.dsccc.com>

Bob Okas, N3MBY/6, wrote (bo>)
 bo>
 bo> I want to solder the standoffs to the inside copper foil...
 bo> ...bunch of aluminum hex standoffs that I'd like to use,
 bo> but the solder beads right off these fellas.
 bo>
 bo> Any alternatives?
 bo>

brass standoffs.

I haven't seen any recently, but on the other hand, I haven't
been looking.

72s, 73s, whatever it takes,
Charles Cashion, W5ISZ
w.214-519-2583 h.214-881-0952
2400 Jupiter #B8, Plano TX 75074-4946 33.0197N 96.6986W EM83ia

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Roy G. Jackson" <rjackson@adsnet.com>
Subject: [1616] Summary OHR WM-1 problem
Message-ID: <199607252352.SAA06158@alice.adsnet.com>

I submitted a note to the list describing a problem with the WM-1 QRP Wattmeter that I built not giving a full-scale indication during the alignment process. I received several responses with suggestions of what to check. Most responders suggested that I call Oak Hills Research and ask for their help. This is sort of like stopping for directions when you are unsure of where you are on the road. I really wanted to find the problem myself :-)

The first thing I did was to check the board very carefully for solder bridges or other solder-related problems. Then I carefully checked each part on the board to be sure I had installed everything in the correct place. Then I went through the alignment procedure for the 10 watt position, and adjusted the meter for the highest reading. Then I removed the power, disconnected the meter and connected my DVM in place of it. When I turned the power back on, the DVM was reading about 110 micro-amps. Assuming that it was probably a 100 micro-amp movement, I felt reasonably sure at that point that the problem was with the meter movement itself.

At that point I called OHR. The gentleman who answered the phone (I forgot to get his name) was very polite and helpful. He told me that they had gotten in a batch of meters that they had problems with, and that the meter was probably sticking. He offered to send me a new meter, just on my word that the one I had was defective. He also said that the next run of WM-1's will use an American-made jeweled meter movement, and a slightly different circuit. Being an American worker who tries to buy made-in-America products whenever possible, this made me very happy.

I have an OHR Explorer !! for 30M which I assembled without any problems, and another Explorer II for 20M awaiting assembly. I am very happy with the WM-1 and the service I got when I had a problem. I am confident that the new meter movement will make the WM-1 perform as I expected. I would recommend these products to anyone.

Usual disclaimers apply.

Roy G. Jackson ARS: NY9B
Home: rjackson@adsnet.com Work: usbscwrc@ibmmail.com
QRP-L #447

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996

From: Stanley Wilson <microres@crl.com>
Subject: [1603] Ten Tec's e-mail adr ????
Message-ID: <Pine.SUN.3.91.960725122852.6238A-100000@crl5.crl.com>

The land line is always buzy..... Does anyone have the e-mail address ?
Thanks

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Clay N4AOX <wyn@worldnet.att.net>
Subject: [1621] test message--do not read
Message-ID: <31F820F7.346A@worldnet.att.net>

This is a test message. Do not read.

72/73,
Clay

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: N2QCE@aol.com
Subject: [1608] The Listserver Information at BNL.GOV
Message-ID: <960725170706_164182283@emout16.mail.aol.com>

In a message dated 96-07-25 10:08:03 EDT, you write:

> send mail to listproc@bnl.gov
> Subject: anything
> Body:
>
>   subscribe bnlarc-l "you full name and/or call"

Address is for Brookhaven National Lab's Amateur Radio club List. Best 73.

 - John Evans n2qce@aol.com

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: James Bell <jim.bell@canada.cdev.com>
Subject: [1577] VIRUS HOAX
Message-ID: <199607251244.IAA25280@nss2.CC.Lehigh.EDU>

Hi Gang,

My apologies to all for passing this on. I got caught.
I'll repent in dust and ashes.
In future I'll stick to RF topics.
72 JIM   VE3DDY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Frank G3YCC" <g3ycc@enterprise.net>
Subject: [1594] Virus Scare
Message-ID: <199607251835.SAA07139@mail.enterprise.net>

So far as I am aware, viruses are spread via programmes, not files. There is therefore a very real danger of acquiring a computer virus from the Internet, providing you do download programmes, not just mail and news items. However, if I am wrong, please let us all know, you experts, but it would be a foolish person who had no current, and I stress current virus checker. I have had two viruses, neither real nasty ones, but...
--
Frank G3YCC
Ham Radio QRP Web Page:
http://homepages.enterprise.net/g3ycc/

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Dennis Blanchard, K1YPP, CINCC" <blanchard@nac.ENET.dec.com>
Subject: [1619] What is a Schurr-Morsetasten
Message-ID: <9607260014.AA22055@us1rmc.bb.dec.com>

I know in my travels over the years I have read about the Schurr-Morsetasten, but for the life of me I don't remember what it was? A customer asked me about a replacement part for it and I would like to help him out, even though I doubt I will actually have parts. At least I should point him in the right direction.

I give, what is or what was it? Sounds like a CW generator of some sort. My rusty German doesn't help on this one.

72

Dennis

Jade Products, Inc
Engineer
djade@hampstead.k12.nh.us
http://www.hampstead.k12.nh.us/~djade/index.html

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1627] Yep, 30M is great
Message-ID: <199607260353.DAA07033@chuck.dallas.sgi.com>

Gang,

Yep, I told you there was a possiblity that 30M was going
to be good for the next week if you can stand the QRN.

I called CQ. I got a call back from a KA0 in ND. That's
#48. Only RI and AK to go. I ain't going to bed until 30M
closes. :-)

Around 10.104MHz was the calling freq as I was sent email
earlier today that RI was lurking around 10.110, but my son
is here from college and I didn't get home til late. You
know he's gotta stop at all the bookstores in Dallas on
the way home. :-)

I get email from someone else that has almost 275 Qs on
30M for this years study. Now that is dedication!! Sets the
standard for devotion and free time. :-)

My hats off to all that hang in there. It doesn't matter
whether you have 300 or 30 or 3. It's the fun that you are
having doing it that counts and the only thing that counts.

So dust off the mike and/or the key and do it. Oh, for 30M
I guess you better lay down the mike.

Also, tune up the 40M antenna. You are going to need if the
security increases at airports don't get us in trouble with
ham gear. I'm going portable in 10 days. Stay tuned to this
bat channel for info as it firms up.

FYI

dit dit
Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO   TMPS 1996 Qs=077 States=32 Confirmed=23 DX=04 (0.95W)
AL AR AZ CA CO DC DE FL GA IA IL IN LA MD MI MO MS
ND NE NM NC OH OK OR SD TN TX UT WA WI WV WY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: lve1@inel.gov (Larry V East)
Subject: [1582] Re: Anti-burp circuit
Message-ID: <2.2.16.19960725143010.342f750a@eloi>

At 03:55 PM 7/24/96 -0700, you wrote:
>Howdy, Larry.
>
>I saw a reference to a circuit that you knew of that kept the 8044ABM
>Curtis Keyer chip from burping on turn on. Is it published in QQ or
>QRPp? I've put one in a Sierra and it burps. Thanks.
>
It was published in the "Exchange" column of The QRP Quarterly sometime last year. If you can't find it, let me know and I'll find the exact issue.

By the way, if you are interested in a keyer chip that needs fewer external parts, has **very** low stand-by current drain and does not "burp", check out the ones now offered by Radio Adventures Corp. -- you can find info on the web at http://radioadv.com

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Thomas J. Whalen" <whalen@swcp.com>
Subject: [1614] Re: Bobtail Curtain
Message-ID: <Pine.SUN.3.91.960725171301.28027A-100000@kitsune.swcp.com>

     On Thu, 25 Jul 1996, jim hale wrote:

> I've been useing the HALF SQUARE antenna for over a year, and its really
> a great wire antenna. Mine is hung between oak trees broadside to the
> east & west. Not very high, but works fine. Improvement in DX, some
> reduction for stateside reception maybe. But I'm working on my QRP DXCC
> with 84 QSL cards so far.
>
> Now I want to try the full sized BOBTAIL CURTAIN.
>
> Can someone send me the facts and formulas for this? And tell me if its
> 50 Ohm direct feed like my half squares too?
>
> I dont use a tuner, so I only use antennas close to 100% resonant for the
> band.

>
> Thanks for reading this. 72/3'z de Jim   kj5tf@mctc.com
> ps I found the address for GU/DL5LYM !! DK0TUI www site is FB!
>
> Jim, by adding one more element you turn the half square into a
bobtail. I use 240/freq for the vertical elements and 470/freq. for the
half wave sections and usually works fb.Also you may add 4 resonant
radials under the middle vert. which is probably the one you will feed
directly with coax.The latter seems to enhance the low angle maybe a
little and also will help with a match, although not necessary.Id also
suggest using odd number of elements.Try it, you'll like it! Tom WB5QYT

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Hank Kohl <k8dd@tir.com>
Subject: [1615] Re: Bobtail Curtain
Message-ID: <199607252345.TAA17293@tir.com>

At 14:41 07/25/96 -0700, kj5tf wrote:
>I've been useing the HALF SQUARE antenna for over a year, and its really
>a great wire antenna. Mine is hung between oak trees broadside to the
>east & west. Not very high, but works fine. Improvement in DX, some
>reduction for stateside reception maybe. But I'm working on my QRP DXCC
>with 84 QSL cards so far.
>
>Now I want to try the full sized BOBTAIL CURTAIN.
>
>Can someone send me the facts and formulas for this? And tell me if its
>50 Ohm direct feed like my half squares too?
>

I have seen the documentation for coax feed for half squares and Bobtail
curtains. I've tried coax feed of both, but have not had the success in
DX contests with coax feed that I have using a tuner at the base of the
vertical element. Doesn't seem to be any difference which vertical element
you feed the half square at the bottom.   The Bobtail handbooks that I have
say to feed the Bobtail at the base of the center element. Most of them
show the antenna fed at voltage points, rather than current points.

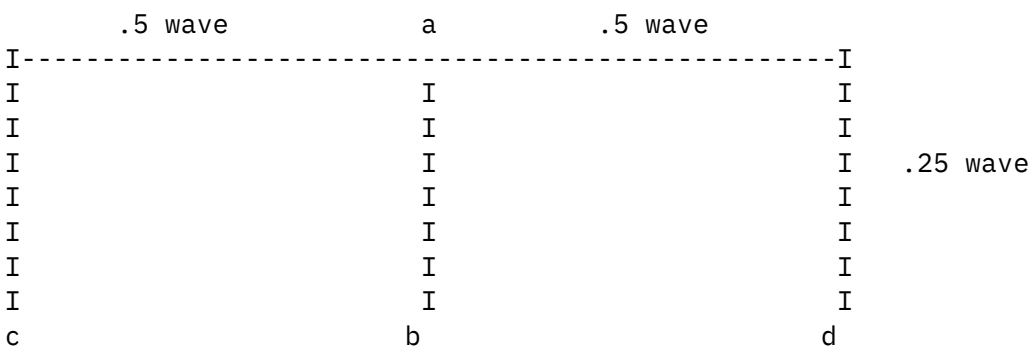
Voltage fed with a parallel tank circuit - a parallel cap and coil which
are placed inbetween the bottom of the center vertical element of the
bobtail and ground. The coax is tapped up from the bottom of the coil. I
have had real good luck using T tuners and feeding the Bobtail as a long wire.

>I dont use a tuner, so I only use antennas close to 100% resonant for the
>band.
>

Since you don't use a tuner, you can use the Zepp Match method to feed it. That is a 1/4 wave stub of 600 ohm open wire going straight away from the bottom of the center vertical element. Use un-insulated wire so that you can start at the 1/4 wave point and move the tap towards the element until a good match is found.

You can feed directly with coax from the top of the center element (with the center of the coax going to the vertical element and the braid going to the flat top wire. Change the length of the center element for resonance. It is also very important to keep the coax length at multiples of an electrical 1/2 wavelength. The coax should leave the feed point at a 45 degree angle downward. The main disadvantage of this method is some degrees of unbalanced coupling of the feedline to the element. that causes degradion of the side rejection. I suppose it can skew the pattern.

The Bobtail looks like this:



a=fed with coax. bring the coax toward c or d
b=fed with a tuner or open wire stub

SM4CAN's book says vertical radiators are 68.63/f
horizontal wire is 143.82/f
To convert this to feet, multiply the values found by 3.281, unless you have a metric tape measure!

ON4UN only spends a couple of paragraphs on the half-square and Bobtail. He only mentions voltage feed. The first ON4UN book does not mention the Bobtail or the half square, but the two editions by the ARRL do.

I have used both half square and Bobtail's,
but I somewhat agree with the ON4UN logic which says that verticals (done properly) and some sort of a low noise receiving antenna (beverage, EWE, etc) are better. Although he does not come out and say it, that's what I see in his books "Low-Band DXing".

Hope this is of some use to you. I'm not sending it to qrp-l because I don't

think would be a whole lot of interest in antennas this large. But if you think there would - remove this paragraph - and forward it to the list!

73   Hank   K8DD

*/   Hank Kohl K8DD   k8dd@tir.com
*/   MI-QRP - Vice Pres. QRP-ARCI - Director
*/   G-QRP   ARRL/LM   QCWA/LM   QCAO/LM

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "David D. Meacham" <ddm@datatamers.com>
Subject: [1571] Re: CA alert
Message-ID: <Pine.LNX.3.91.960724204742.16343B-100000@dt1.datatamers.com>

Chuck,
Its just north of where 85 crosses El Camino Real. I'll try to make it.
72, Dave, W6EMD

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: jeffa@ix.netcom.com (Jeff Anderson)
Subject: [1581] Re: Chuck's visit to the Bay Area
Message-ID: <199607251344.GAA27610@dfw-ix11.ix.netcom.com>

Chuck's going to be in town Tuesday. If the weather is anything like it's been this week, a BBQ would be great, and so I'd like to propose a QRP BBQ at my place in lieu of meeting at "Two Guys..."

Chuck is open to the suggestion, but how do the rest of you who might attend feel about it?

I live only a mile or so from Two Guys - if you can find them, you can find me - it's very easy freeway access (in fact, if you know where the "Harry's Hofbrau" is in Mountain View, just a few blocks north of Two Guys on the El Camino, I live down that street (Bonita)).

And there's convenient access to my vertical!

Let me know what you think...

- Jeff, WA6AHL

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: na5k@juno.com (Smitty Smith)
Subject: [1569] Re: Computer Viruses: NOW NOT A HOAX
Message-ID: <19960724.203819.3550.1.na5k@juno.com>

On Wed, 24 Jul 1996 17:17:23 -0600 bfollett@ditell.com writes:
>Gang:
>
>
>I hesiitate to call myself a computer expert, even though I have made
> ... etc ...
>
>Times" is an old hoax, there is the:
>
>WinWord.Concept virus, is both new, and real. I quote from INFOWORLD,
>
>July 22, 1996, "The Winword.Concept virus has spread so far and so fast
>because users don't realize that opening a Word for Windows document

This one is for real.

We got it at work but it only seemed to mess up our Word for windows
files. Quite a scare!

I ran the McAfee virus checker with the latest stuff and it found the
Concept virus in my "normal.dot" file.

Not sure where we got this virus, but it is always a good idea to check
your machine for viruses often.

CUL,

Smitty, NA5K near Dallas

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [1574] Re: Computer Viruses: NOW NOT A HOAX
Message-ID: <Pine.SOL.3.94.960725065640.12872B-100000@utkux4.utcc.utk.edu>

Amen to the statement that we should all check our computers often with a
virus checker. McAffee and Norton are the standards in these parts, and
both seem to do a good job (I use one on the office machine, the other at
home. Even if you do not keep one resident (some programs abject to a
virus TSR), make it a habit to run it at least once per week or whenver

something burps unexpectedly. Can't hurt, but it sure can help.

And while you are at it, back up everything. I grew tired of the long procedures to back up only text and data files on tape, so I invested in a second GB HD used only for back-up. Takes about 10 minutes for the b-u program to back-up from HD to HD.

So Saturday night schedule now reads: virus check, back-up, bath--all whether needed or not.

-73-

LB, W4RNL

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: BOB KELLOGG <ae4ic@nr.infi.net>
Subject: [1565] Re: Doug, Ron, Larry(s), Chuck, et al
Message-ID: <199607250107.VAA00974@mh004.infi.net>

At 11:29 AM 7/24/96 -0400, you wrote:
>To all you great guys of the subject line:

>I feel so lucky and appreciative that I can cling to each word that Doug,
>Ron, Chuck, L. East, L. Cebik, Mike C., J. Cates, P. Harden, Wayne B., D.
>Benson, and a whole bunch of others. Reading their articles has opened up a
>whole new world for me here in Hooterville. So when I read Doug's article
>about Paul's new regen coming out, I wish I had it already; or about Doug's
>nifty lil iambic key made from relay contacts, I wish he lived within a 100
>miles so I could go see them. I'd love to be a fly on the wall in Wayne's
>workshop and see the new KC-2, or understand half of Larry Cebik's antenna
>analysis. In short, the magazines and this list are the only link I have to
>all this super stuff - I DON'T LIKE TO SEE EITHER TRASHED. I suspect that
>most members are like me and those few who dump here ought to either grow up
>or move to KY (or out of the country) where we don't have all the latest and
>greatest. Then they might develop an appreciation for how good all this is.
>
>I will defend Doug, Ron, and others till the end for their hard work
>producing the magazines and kits. To each of you guys my heartfelt thanks.
>
>Gratefully,
>
>Roy KE4KDT

AMEN, brother Roy!

CUL,
Bob Kellogg, AE4IC
Prolably, but not nececelery. - Benny Hill

AE4IC TMPS 1996 QS=75 States=16 Confirmed=4 DX=32
AL,CT,FL,GA,KS,MD,MI,NC,NH,NY,OH,PA,TN,TX,WI,WY
3B8,9A,DL,EI,EK,F,FG,G,GM,GU,HA,HB,K,LU,LZ,OH,OK,OM,ON,OZ,P4,PA,SH,SP,TI,UA,
UR,VE,XE,YO,YS,YU

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: k5zty@hamgate2.w5-f6cnb.ampr.org
Subject: [1568] re:Doug,Ron,Larry(s),Chuck,et all
Message-ID: <10387@sugarland.ampr.org>

Roy Boggs posting of Wed. Jul 24 should be required reading for anyone
contemplating flaming the clubs or the QRP-L.
I wish I had written it myself. AMEN Roy.
Bill, K5ZTY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Michael A. Gipe" <71756.3631@CompuServe.COM>
Subject: [1587] Re: February Field Day
Message-ID: <199607251234_MC1-755-ADA3@compuserve.com>

WD8RIF comments:
>These are all good thoughts on how we might improve contesting, but I
think
>for a first attempt at getting people out-of-doors with their rigs in the
>middle of winter, we ought to keep the scoring and rules very simple. ...
>The challenge inherent in a winter outdoors contest ... should be taking
the rig(s) outside
>somewhere, not getting the family car
>stuck in the snow,... frostbite, and trying to send good CW--and maintain
a log--with very >cold
>fingers. ... we can have a multiplier based on the day's mean
temperature,
>or the day's low temperature, and another
>based on depth of snow.

Good points. Although I lived many years in the East and Northeast, I tend
to forget some of that. Here in Silicon Valley, February is a good time to
go to the beach, which puts us at a severe disadvantage for the snow depth

multiplier. .... ..

Mike AG1H

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: k7yha@juno.com (richard h. arland)
Subject: [1567] Re: Half size G5RV Dipole
Message-ID: <19960725.012936.4447.2.k7yha@juno.com>

On Wed, 24 Jul 1996 00:02:55 -0400 (EDT) Hank Kohl <k8dd@tir.com> writes:
>At 20:22 07/23/96 EDT, you wrote:
>
>We have QRP-ARCI banners ready and waiting for hams to "take the word"
>out to the masses. Let me or any one of the BoD members know when you
>need a banner and what ever materials we have that we can supply you
>with to to to swaps/convetions/etc.

Hi Hank:

I'll be attending the Berwick fest this Saturday (too short of a fuse, I know), however I plan on attending the Easton fest on Aug 4 and the Elmira (NY) fest in mid-August. Possibly another one at Rochester later in the fall. I was going to the York (PA) fest but that is opposite the Elmira fest, anbd I've never been to that one.

If you would like to send me a banner, some extra copies of the QQ, and membership forms, I'd be glad to do what I could about spreading the word.

72 rich K7YHA

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: femens@iquest.com
Subject: [1590] Re: Lightning Detection W/ DC RX ???
Message-ID: <199607251655.LAA17232@vespucci.iquest.com>

re wb2vuo's question on lightning detectors.

That's a subject I've wondered (wondering is much easier, if less productive than actually doing something)about for years, ever since seeing a descriptyion in a pre-WW2 'Radio News' about a pair of large (like 10 ft high and 3 ft wide) many turn loops. The outputs were detected directly with no carrier oscillator - just a detector and

audio amplification. It would probably work bettr with matched rf rcvrs at a frequency at which the lightning noise peaks. The old Collins gating noise eliminator used a separate trf rcvr at as I remember, about 30 MHz.

Trouble is, as described, the setup will not give you a bearing, since response will be bidirectional. A sense antenna needs to be part of the setup to resolve to a bearing - or users with similar setups at different locations could correlate their directions to pinpoint the source of the disturbance.

Frank Emens, Huntsville Alabama "femens@iquest.com"
"Things are more like they are now than they have ever been before."

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: KFGlynn@aol.com
Subject: [1601] Re: Needed: The "best" 30M Antenna .
Message-ID: <960725142100_245580027@emout14.mail.aol.com>

Hi Todd,

With one tall support at 45' an inverted-v could work out for you. A half-wave inverted-v for 10.125 MHz per W6SAI would be 46.73' in total length. About a perfect half-length above ground and it would provide a perfect match to coax. This antenna has vertical polarization and is omni-directional.

Ladder line is less expensive and has less loss (assuming you have a long run to the rig).

There are many antennas, and I love to work with them. An inverted-v cut for 40M to a tuner is my main portable QRP antenna these days. This may be the simplest and best for you with one tall support.

Good luck.

73 Kevin KB2TEO

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Monte Stark <ku7y@sage.dri.edu>
Subject: [1620] Re: Red-in-the-Face
Message-ID: <Pine.SUN.3.90.960725172459.21853A-100000@vortex.sage.dri.edu>

On Thu, 25 Jul 1996 AlexQRP@aol.com wrote:

> My previous statements to the group were meant on my part to be merely
> playing the "devils advocate" which I must admit failed . They were stated
> too strongly with no attachment indicating my true feelings. Therefore it is
> with "foot in mouth" that I most humbly apologize to the group and especially
> to the staff of QRP ARCI.

Apology greatfully accepted! And if I missed the the humor that was the
intent of your post, I will apologize for my rather sharp response!

One thing I do want to make very clear. We do like to get input
from everyone, not just those who agree. So when you do see something
you like or dislike, don't hesitate to let us know.

And thank you for the note explaining what happened! I can't speak for
all but it sure makes me feel better!

cul,

73, Ron,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Dana H. Myers" <myers@bigboy.West.Sun.COM>
Subject: [1611] Re: School of Hard Knocks: Lesson #37
Message-ID: <Roam.3.0.838333739.27155.myers@bigboy>

Gary Hanson wrote:

> I've been working on a Green Mountain transceiver for 15 meters since
> last December and I had everything working, EXCEPT I couldn't get a
> signal from the antenna to the first mixer in the receiver. I bet I
> checked those solder connections dozens of times. I put it on the
> shelf for weeks at a time, would pull it off and re-check. Last
> night, while listening to the major thunderstorm activity on my MXM-40
> here in Central Texas, I pulled it off the shelf one more time. I
> decided to compare my parts placement on the completed board with
> Dave's version in the manual. I just happened to notice that a little
> variable cap, called C5 (plastic variety) and part of the tuned input
> circuit, was mounted backward. They are round with one side slightly
> flattened and I had soldered mine in backwards. I didn't think that

> should make any difference, but I thought, "Oh *###*#, I've tried
> everything else I might as well change it." Took it out (not an easy
> task), turned it around and re-soldered it back in.

With some variable capacitors, it can be easy to short the rotor (which
is one electrode) to the ground plane on the PCB. Whenever possible,
I make sure the rotor of the capacitor is connected to ground potential.
This eliminates the problem of shorting the rotor to ground, and it also
reduces of the influence of a tuning tool on the capacitor. In cases where
neither end of the capacitor is connected to ground, one must be careful
to make sure the bottom of the rotor (or tuning screw on compression types)
doesn't short to the PCB or chassis beneath.

So, while the capacitor in your case shouldn't be polarity sensitive, it
may have been sensitive to shorting out.

Dana KK6JQ
Dana@Source.Net

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: "Robert J. Gobrick" <rgobrick@nfld.com>
Subject: [1612] Re: School of Hard Knocks: Lesson #37
Message-ID: <2.2.32.19960725220725.00ad8638@public.compusult.nf.ca>

Hi Gary,

I'm not sure how the instructions read for your GM-15 but in my GM-20
instructions Dave does make a point of making sure the variable caps are
orientated correctly - but that was mainly to make sure that your metal
tuning wand didn't effect the adjustments. So the cap should have worked
either way. BUT I bet you may have (just maybe) had a short on the bottom
OR TOP of the pc board with the orientation. Or maybe it was the
resoldering of those nearby points OR maybe it was that the Soldering Gods
just said "Hey - it's Gary's turn today...."

Let us know when 15 meter CW opens?? I'm waiting (and waiting..)

Cheers 73/72 Bob VO1DRB/WA6ERB

At 16:12 7/25/96 -0500, you wrote:
>Hi Gang,
>

>If anyone has a technical explanation as to why reversing the variable
>cap would block the signal, I would love to hear it. I'm betting the

>solder joints were the "real" problem. Whatcha think?
>
>Moral to this story is check your parts placement carefully. Even
>with a beautifully silk screened board, I managed to screw it up...not
>to mention a few bad solder joints. But, after months of agony I can
>now hear my little signal generator all the way across the top of the
>desk. Doesn't take much to make a QRP kit builder happy, does it?
>Who knows, I may actually hear a 15 meter signal later this summer.
>Stay tuned. I'll let you know.

>May the Solder Gods shine on all your work.
>
>72,73, KJ5VW
>Gary

 ____
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet: rgobrick@nfld.com |
| Compuserve: 70466.1405@compuserve.com |
|____|

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: brozenske@juno.com (Barrie L Brozenske)
Subject: [1618] Re: School of Hard Knocks: Lesson #37
Message-ID: <19960725.200303.9054.9.Brozenske@juno.com>

On Thu, 25 Jul 1996 16:12:37 -0500 "Gary R. Hanson"
<ghanson@uts.cc.utexas.edu> writes:
>Hi Gang,
>>If anyone has a technical explanation as to why reversing the variable
>cap would block the signal, I would love to hear it. I'm betting the
>solder joints were the "real" problem. Whatcha think?
>

I'd expect a SHORT (solder bridge) was under the cap, caused by putting
it in backwards, and not having the pads match the leads and exposed
metal under the cap--but if you can't tell, who am I to be so
presumtious.

I can't conceive of a purely electrical reason it would matter.

Glad you solved it.

73,

Barrie Brozenske, K3BUZ
brozenske@juno.com

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: n1ist@netcom.com (Michael L. Ardai)
Subject: [1589] Re: SMD "wireless mic"
Message-ID: <199607251649.JAA22665@netcom5.netcom.com>

Please reconsider using the Ramsey FM-6 for anything other than a board to practise SMD assembly on. I built one, and it is a great comb generator with spurs only 5-10 dB down every 12 MHz up and down from 146.6 for about 5 on each side, and then again at the 2nd harmonic (my analyzer tops out at 512...) There is NO filtering on the output, and when I called Ramsey, they didn't seem to care or think that filtering was important. Then again, they first offered this kit on 144.0...

Please remember that Ramsey kits usually take quite a bit of work to make them operate properly, and never put a Ramsey transmitter on the air without checking it out on a spectrum analyzer first.
/mike
No connection with Ramsey, obviously...

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: weinfurtner@ouvaxa.cats.ohiou.edu (Greg Weinfurtner)
Subject: [1599] Re: SMD "wireless mic"
Message-ID: <v01510101ae1d54978db3@[132.235.72.11]>

>
>Please reconsider using the Ramsey FM-6 for anything other than a board to
>practise SMD assembly on. I built one, and it is a great comb generator
>with spurs only 5-10 dB down every 12 MHz up and down from 146.6 for about
>5 on each side, and then again at the 2nd harmonic (my analyzer tops out
>at 512...) There is NO filtering on the output, and when I called
>Ramsey, they didn't seem to care or think that filtering was important.
>Then again, they first offered this kit on 144.0...
>
>Please remember that Ramsey kits usually take quite a bit of work to make
>them operate properly, and never put a Ramsey transmitter on the air without
>checking it out on a spectrum analyzer first.
>/mike
>No connection with Ramsey, obviously...

Gang,
        N1IST, Mike, is right.!..not much filtering at all, especially considering the xtal freq is 12.XXX mhz. The " X12 multiplier stages" haven't enough selectivity to really tell the difference between any of the harmonics. So you're on FM every 12 mhz step! (Is that what is called simulcasting? haha!) There are no adjustments on the output network at all.

        The output can't be much though (microwatts?), as the range is very limited. It's powered by 2 lithum 1.5v cells, button type.

        If anyone is interested I could post the schematic on my homepage, though I'd have to check the manual to see if it is copyrighted first.

        Like I said in the previous post, it was pretty good experience with SMD's. I just wonder what my pal is going to do with a wireless mic on 2 meters...? haha!

73 NS8O

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [1578] RE: soldering aluminum
Message-ID: <960725084841.20633996@carib.vf.mmc.com>

Bob, you wrote:

>   I'm in the process of sealing up my homebrew vfo and
>a problem/question has arisen. The case is constructed of
>pc material and I'd like to use some sort of hex-sided
>standoff as the base for my threaded fasteners (screws to
>us regular folks). I want to solder the standoffs to the
>inside copper foil, and I tried to solder both stainless
>steel and aluminum standoffs with no success. I have a
>bunch of aluminum hex standoffs that I'd like to use, but the
>solder beads right off these fellas. Any suggestions to make
>?this work a bit better? Any alternatives? I humbly submit to
>the wisdom of the group.
>
>Bob - N3MBY/6

While there *are* special fluxes that allow you to solder aluminum, I'm afraid the heat needed to do the soldering will be excessive for the copper

foil. I've delaminated lots of pc board boxes with too much heat.

While there may be an elegant solution, I usually do thing a little more crudely than using standoffs for my boxes. I bend up little "L" brackets about 5/16 on each side from scrap aluminum. Then I drill holes in the "L's" to accept sheet metal screws and attach the box sides and lids with them.

DAve Benson, NN1G had an article in 72 a couple of years ago describing boxes he made (though not pc board) where he attached lids to boxes using small square stock that was drilled and tapped at the ends like your standoffs. He also drilled and tapped them at right angles to accept screws to hold them onto the box sides.

One method of attaching the hex standoffs might be to use conductive epoxy. And there is a type of "liquid solder" I've seen in hardware stores that appears to be some sort of adhesive compound filled with metal filings to make it conductive.

Let us know how you make out!

72/73,

Joe E., N2CX

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: kd7s@psnw.com (Bill Jones)
Subject: [1580] Re: soldering aluminum
Message-ID: <199607251328.GAA27074@psnw.com>

Bob Oakes Wrote:

>   I'm in the process of sealing up my homebrew vfo and
>a problem/question has arisen. The case is constructed of
>pc material and I'd like to use some sort of hex-sided
>standoff as the base for my threaded fasteners (screws to
>us regular folks). I want to solder the standoffs to the
>inside copper foil, <stuff cut>

I use a slightly different approach. Visit your local hobby shop and get some brass "T" nuts, sometimes call blind-nuts. Modelers use them for engine mounts. You can solder them directly to the ground bus on your VFO pc board with the flanged part facing down. What this gives you is a short, threaded stand-off that will accept a 6-32 or 4-40 screw.
==========
Bill Jones - KD7S <><
Sanger, California

Reply to kd7s@psnw.com
==========

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Kevin Muenzler <muenzlerk@uthscsa.edu>
Subject: [1580] RE: soldering aluminum
Message-ID: <01BB7A04.D880D400@muenzlerk.uthscsa.edu>

On Thursday, July 25, 1996 3:23 AM, Bob Okas[SMTP:okasb@rex.mtv.gtegsc.com] wrote:
>Hi All,
>   I'm in the process of sealing up my homebrew vfo and
>a problem/question has arisen. The case is constructed of
>pc material and I'd like to use some sort of hex-sided
>standoff as the base for my threaded fasteners (screws to
>us regular folks). I want to solder the standoffs to the
>inside copper foil, and I tried to solder both stainless
>steel and aluminum standoffs with no success. I have a
>bunch of aluminum hex standoffs that I'd like to use, but the
>solder beads right off these fellas. Any suggestions to make
>this work a bit better? Any alternatives? I humbly submit to
>the wisdom of the group.
>
>Bob - N3MBY/6
>
>

In short Bob, it's not worth the effort. :) It is almost impossible to solder copper to aluminum. It requires special "solder" and soldering environment. One of the biggest problems is that aluminum dissipates heat very quickly. Second, aluminum oxidizes very quickly so the solder won't stick. My advice, if you really want to solder these things, is to get a piece of copper rod the correct diameter and tap that sucker so that your screws will fit. If you are really set on using your aluminum standoffs you can just use screws through your PC board into the standoffs. I don't recommend using them as a ground source. You can use small pieces of wire with solder-tabs on each end. Put one under between the standoff and the PC board and the other end between the standoff and the case. This will give you a good ground and you can still use your standoffs. This was one of the biggest problems with Heathkit rigs. They used aluminum cases and just screwed the copper circuit boards against the aluminum as a ground. This connection didn't last because the aluminum-copper connection corroded quickly.

Hope this is helpful!

Kevin, WB5RUE

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: brozenske@juno.com (Barrie L Brozenske)
Subject: [1588] Re: soldering aluminum
Message-ID: <19960725.123217.9054.3.Brozenske@juno.com>

>
>One method of attaching the hex standoffs might be to use conductive
>epoxy.
>And there is a type of "liquid solder" I've seen in hardware stores
>that
>appears to be some sort of adhesive compound filled with metal filings
>to make
>it conductive.
>
>Let us know how you make out!
>
>72/73,
>
>Joe E., N2CX

****
****
Hi gang,
I'm using the conductive epoxies at work, and am really not too impressed
with the conductivity or strength--and they are usually expensive.

For mounting standoffs, why not use the stainless star type lock washers
to bite into the foil when you tighten the screws, and call it a job.
Commercial HF and VHF gear does that all the time. If you want a
continuous strip seal at the box edge, Joe's tapped brass square rod and
screws sounds good. Don't think you need solder on standoffs, but I've
seen brass ones that would take solder. I just hope you don't have to
take it apart often.

73,
Barrie Brozenske, K3BUZ
brozenske@juno.com

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: James Bell <jim.bell@canada.cdev.com>
Subject: [1591] RE: Soldering aluminum
Message-ID: <199607251658.MAA56481@nss2.CC.Lehigh.EDU>

In a time past when copper became very expensive to use ,
General electric were copperplating the ends of large
aluminum Buss bars before they were silverplated.
Just an idea.If you HAD to solder on aluminum then copperplating
 would be a consideration.
VE3DDY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: bob.roach@sourcebbs.com (BOB ROACH)
Subject: [1600] RE: soldering aluminum
Message-ID: <8C52310.000103DE5C.uuout@sourcebbs.com>

  >-bunch of aluminum hex standoffs that I'd like to use, but the
  >-solder beads right off these fellas. Any suggestions to make
  >-this work a bit better? Any alternatives? I humbly submit to
  >-the wisdom of the group.

Helllo Bob,

Regular solder will not stick to most non-copper type metals,
sepecialllly aluminum, but I have see a product demonstrated at several
hamfests that will join copper and aluminum. I don't remember the name
but I think that the guy said it was available at one of the local home
improvement centers.

Hopefully someone else will have a specific source for this stuff.

73 de KE4QOK
Bob

 * SLMR 2.1a * My cow died, so I don't need your bull anymore!!!

This message originated from: ----------   Selective Source BBS
                                    -------   Virginia Beach, Virginia
                                         -----   (804) 471 6776

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: ka0yos@arn.net
Subject: [1626] Re: soldering aluminum
Message-ID: <199607260353.WAA06464@arnet.arn.net>

At 01:23 AM 7/25/96 -0700, Bob Okas wrote:
>Hi All,
>   I'm in the process of sealing up my homebrew vfo and
>a problem/question has arisen. The case is constructed of
>pc material and I'd like to use some sort of hex-sided
>standoff as the base for my threaded fasteners (screws to
>us regular folks). I want to solder the standoffs to the
>inside copper foil, and I tried to solder both stainless
>steel and aluminum standoffs with no success. I have a
>bunch of aluminum hex standoffs that I'd like to use, but the
>solder beads right off these fellas. Any suggestions to make
>this work a bit better? Any alternatives? I humbly submit to
>the wisdom of the group.
>
>Bob - N3MBY/6
>
Bob,

     I have had very good luck with "Solder It" they make formulas for pot metal, aluminum, and others. It is suprizingly strong and has a lower than normal melting point! It is a solder and (magic) flux that come in a squeeze tube.

Good Luck and 72,
Joe ka0yos

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: okasb@rex.mtv.gtegsc.com (Bob Okas)
Subject: [1628] Re: Soldering Aluminum
Message-ID: <9607260348.AA16269@rex.mtv.gtegsc.com>

Hi Gang,
    I would like to thank all those that responded with all of the helpful info. Although using the Al standoffs seemed attractive at first blush, it's more trouble than it's worth. I'll be exploring other alternatives and let the group know what I come up with.

Bob - N3MBY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: Thom <thom@li.net>
Subject: [1617] Re: Summary OHR WM-1 problem
Message-ID: <Pine.SUN.3.91.960725195818.10006B-100000@linet01>

Hi Roy,
  Thanks for your comments onthe WM-1 I've had one sitting in the box (unconstructed) for about a year now...Everyone seems to like the WM-1 and am looking forward to buliding it after I finish the classic (80% done) and before the OHR-400 (in the box next to the meter..sigh)

73 de
Tom
WB2QDG

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: N9DD@aol.com
Subject: [1624] Re: Summary OHR WM-1 problem
Message-ID: <960725225052_585055089@emout12.mail.aol.com>

Hi Roy

I don't know if you remember me, but I once bought an MFJ packet TNC from you.
I'm glad you found the QRP list and I'm especially happy to find another QRP-type in the area.

I have an OHR WM-1 also. When I built it, everything went great until about half way though the alignment when I realized that my meter had stopped going past half scale. At first I thought it was something I did wrong in alignment, so I started back at the beginning.

When that didn't help, I realized that the meter needle was actually getting stuck. Being the advanced technical type that I am, I took the cover off and blew into the meter movement. The needle now stuck a bit higher up on the scale. I repeated this at least 5 or 6 times. Each time, the point at which the needle got stuck edged a bit higher. I quit when the "sticking point" was past full scale. Since then my WM-1 has worked flawlessly. I love it!

I was interested in Dick's comment that there was a batch of bad meter movements used in the WM-1s. I wonder if others had similar experiences to

mine. I'd also like to know how or why my blowing into the meter changed things the way it did. I could see if there was a bit of dust in the mechanism that one quick breath might free it up. It doesn't make sense to me though, why the "sticking point" edged up with every attempt I made.

Once again, nice to see you on the QRP-L. Isn't this fun?

Tom N9DD
South Bend, IN

QRP since '73!

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: dadams@stem.com
Subject: [1605] Re: Things to see
Message-ID: <9606258383.AA838325139@internet.stem.com>

I can't agree highly enough (I'm even a member). Wonderful place if you have any interest in trains...and don't forget to see the third floor (everyone misses it their first go).

Anyway, I leave France on monday, so I will be hitting the list from my regular address soon. I will try to hit the parts stores and pick up some of the nifty enclosures and such I have found and bring them to the NorCal meeting...no promises though as, with my wife here, there is just too much to do! She is having a ball!

73 de dave, n9uxu

_____ Reply Separator _____
Subject: Things to see
Author: Bob_Tellefsen-CNSE97@email.mot.com at INTERNET
From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: jgann@mindspring.com (Alvin G. Gann)
Subject: [1569] Re: Traveling to SF
Message-ID: <199607250145.VAA27444@borg.mindspring.com>

Sorry for the bandwidth but Rich's account (mulveyr@ll.aa2ys.ampr.org) has become unreachable from my server:

Rich Mulvey wrote:
  .....
>   BTW - has anyone had any problems carting "homebrew" electronics

>though airport security? Any suggestions on how to convince the
>inspectors that the gadget with all of the wires and solder blobs
>is really harmless?
  .....

Rich, my experience was with commercial ham gear so I don't know how much more sinister solder blobs would appear. I have taken an FT101E fitted into a suitcase on a trip for some portable operation during an extended business trip, also assorted bits and pieces in carry-on luggage when going to vacation at my parents' house where I had a second shack. The things that got attention are boxes and wires (coax, test leads, ...).

I got through every time by stressing that I had a Federal radio license for operation of the equipment. Take your original ham license and wave it a lot, and emphasize FEDERAL LICENSE. My experience was in the `70's in the era of planes taking detours to Cuba, et. al. and not going boom in the night, but I suspect the same mindset prevails even today. GL 72 --Jerry

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: lve1@inel.gov (Larry V East)
Subject: [1583] RE: VIRUS ALERT
Message-ID: <2.2.16.19960725145009.342f1b10@eloi>

>
>Hi Gang,
>Watch out for "GOOD TIMES" or similar .It is in the
>Internet E-mail.
>
Oh Boy -- here we go again!! Once or twice a year a rumor gets started that reading an email message with the title "Good Times" will trash your computer. It just ain't so: THIS IS ALL A SCAM!!

In order for something to trash your computer/hard disk/etc.., it must be executed. Just reading an email file won't do it.

On the other hand, be VERY LEERY of executable files (of any type) that get appended to email messages...

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: rhight@primenet.com (Roger Hightower)

Subject: [1622] Re: What is a Schurr-Morsetasten
Message-ID: <199607260207.TAA18252@primenet.com>

At 08:19 PM 7/25/96 EDT, Dennis Blanchard, K1YPP, CINCC wrote:
>I know in my travels over the years I have read about the Schurr-Morsetasten,
>but for the life of me I don't remember what it was? (snip)
>
>I give, what is or what was it? Sounds like a CW generator of some sort. My
>rusty German doesn't help on this one.
>
I don't have much German skills, but I know that Schurr made keys. Never
heard of them making a CW generator, but I could be wrong there.

72/73 de Roger AA7QY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: john andrews <jm165723@eee.org>
Subject: [1625] Re: What is a Schurr-Morsetasten
Message-ID: <31F83E49.E4B@eee.org>

Roger Hightower wrote:
>
> At 08:19 PM 7/25/96 EDT, Dennis Blanchard, K1YPP, CINCC wrote:
> >I know in my travels over the years I have read about the Schurr-Morsetasten,
> >but for the life of me I don't remember what it was? (snip)
> >
> >I give, what is or what was it? Sounds like a CW generator of some sort. My
> >rusty German doesn't help on this one.
> >
> I don't have much German skills, but I know that Schurr made keys. Never
> heard of them making a CW generator, but I could be wrong there.
>
> 72/73 de Roger AA7QY

Hi Guys:

Schurr is an outfit in Germany that has been making ham stuff for
years.

"Morsetasten" Morse+key(switch) or at least my not-used-in-25-
 years-German tells me so.

72, John-N5INZ(Ex- DA1JA)

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: KT3A@aol.com
Subject: [1564] Re: winter field day
Message-ID: <960724203246_163509432@emout10.mail.aol.com>

What about the exchange being the temparature?
Your points could be the average temp of all stations
worked. The lowest score wins. You could even do
a conversion from C if you had to. Then we could get
pile-ups when our temp drops to -20 deg F!

Just another crazy idea. :)

72 de cameron, kt3a temp hr 83 F.

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [1576] Re: winter field day
Message-ID: <199607251249.MAA04236@chuck.dallas.sgi.com>

Cameron,

I like that idea. TMP hr is 95. Could happen in TX.
Does that mean people could refuse to talk to me during
the test because they wouldn't want to raise their average?

dit dit :-)
Chuck Adams (K5FO CP-60) adams@sgi.com
K5FO   TMPS 1996 Qs=073 States=31 Confirmed=23 DX=04 (0.95W)
AL AR AZ CA CO DC DE FL GA IA IL IN LA MD MI MO MS NE NM NC OH OK
OR SD TN TX UT WA WI WV WY

From owner-qrp-l@Lehigh.EDU Thu Jul 25 23:12:58 1996
From: N2QCE@aol.com
Subject: [1607] Re: winter field day
Message-ID: <960725170633_164182275@emout14.mail.aol.com>

96-07-25 00:25:07 EDT:

> Your points could be the average temp of all stations
> worked. The lowest score wins.

Work's fer me...

- John Evans n2qce@aol.com